ments may be applied to any other suitable forms of communication systems than those illustrated and described herein.

[0185] It is also noted herein that while the above describes example embodiments, there are several variations and modifications which may be made to the disclosed solution without departing from the scope of the present invention.

[0186] In general, the various embodiments may be implemented in hardware or special purpose circuits, software, logic or any combination thereof. Some aspects of the invention may be implemented in hardware, while other aspects may be implemented in firmware or software which may be executed by a controller, microprocessor or other computing device, although the invention is not limited thereto. While various aspects of the invention may be illustrated and described as block diagrams, flow charts, or using some other pictorial representation, it is well understood that these blocks, apparatus, systems, techniques or methods described herein may be implemented in, as non-limiting examples, hardware, software, firmware, special purpose circuits or logic, general purpose hardware or controller or other computing devices, or some combination thereof.

[0187] The embodiments of this invention may be implemented by computer software executable by a data processor of the mobile device, such as in the processor entity, or by hardware, or by a combination of software and hardware. Computer software or program, also called program product, including software routines, applets and/or macros, may be stored in any apparatus-readable data storage medium and they include program instructions to perform particular tasks. A computer program product may comprise one or more computer-executable components which, when the program is run, are configured to carry out embodiments. The one or more computer-executable components may be at least one software code or portions of it. Software routines or a computer program code may be downloaded into the apparatus carrying out embodiments.

[0188] Embodiments provide computer programs embodied on a computer readable storage medium, configured to control a processor to perform embodiments of the methods described above. The computer readable storage medium may be a non-transitory medium.

[0189] Further in this regard it should be noted that any blocks of the logic flow as in the Figures described above may represent program steps, or interconnected logic circuits, blocks and functions, or a combination of program steps and logic circuits, blocks and functions. The software may be stored on such physical media as memory chips, or memory blocks implemented within the processor, magnetic media such as hard disk or floppy disks, and optical media such as for example DVD and the data variants thereof, CD. The physical media is a non-transitory media.

[0190] The memory may be of any type suitable to the local technical environment and may be implemented using any suitable data storage technology, such as semiconductor-based memory devices, magnetic memory devices and systems, optical memory devices and systems, fixed memory and removable memory. The data processors may be of any type suitable to the local technical environment, and may include one or more of general purpose computers, special purpose computers, microprocessors, digital signal processors (DSPs), application specific integrated circuits (ASIC), FPGA, gate level circuits and processors based on multi-core processor architecture, as non-limiting examples.

[0191] Embodiments of the inventions may be practiced in various components such as integrated circuit modules. The design of integrated circuits is by and large a highly automated process. Complex and powerful software tools are available for converting a logic level design into a semiconductor circuit design ready to be etched and formed on a semiconductor substrate.

[0192] The foregoing description has provided by way of non-limiting examples a full and informative description of the exemplary embodiment of this invention. However, various modifications and adaptations may become apparent to those skilled in the relevant arts in view of the foregoing description, when read in conjunction with the accompanying drawings and the appended claims. However, all such and similar modifications of the teachings of this invention will still fall within the scope of this invention as defined in the appended claims. Indeed there is a further embodiment comprising a combination of one or more embodiments with any of the other embodiments previously discussed.

1. A method comprising:

determining, for a first network, first activity information for shared usage of a first portion of a spectrum allocated to the first network with at least one second network; and

causing the first activity information to be sent to at least one base station of said second network.

2.-**3**. (canceled)

4. The method according to claim **1**, wherein the first portion is an inter-operator sharing portion.

5. The method according to claim **1**, wherein the spectrum allocated to the first network comprises a second portion.

6. The method according to claim **5**, wherein the second portion is an intra-operator sharing portion.

7. The method according to claim **6**, further comprising causing shared usage of the intra-operator portion with the at least one second network in dependence of a request from the second network.

8.-**10**. (canceled)

11. The method according to claim **1**, comprising determining the first activity information in dependence of at least one of cell density, relative traffic volumes of a cell and interference levels of a cell.

12.-**17**. (canceled)

18. A method comprising:

receiving first activity information associated with a first network; and

determining, for a first portion of a spectrum shared between said first network and at least one second network, if said second network is to change said share of said spectrum in dependence of said first activity information.

19. (canceled)

20. The method according to claim **18** further comprising causing a request to be sent to the first network for a change in said share of said spectrum.

21. The method according to claim **18**, wherein the first portion of the spectrum is at least a portion of an inter-operator sharing portion.

22.-**24**. (canceled)

25. The method according to claim **18** further comprising requesting selection of a second portion of the spectrum shared between the first network and the second network.